

Claims

1. An electrical plug comprising a prong extending from a body, said prong having a tip segment at its free end, a base segment at its other end and an intermediate segment therebetween, each segment being insulated from each other, said tip segment and said intermediate segment adapted for carrying current, said plug having wire connection means extending into said prong, said plug adapted to be inserted into a socket and then subsequently rotated such that at least a portion of said intermediate segment engages with a first current carrying contact member housed within said socket, and wherein said intermediate segment comprises at least two equally spaced apart wings each of which is adapted to carry current and at least one of said wings are adapted to contact said first current carrying contact member.
2. An electrical plug as claimed in claim 1, wherein said tip segment engages with a second current carrying contact member housed within said socket.
3. An electrical plug as claimed in claim 2, wherein at least a portion of said tip member comprises at least two spaced apart wings each of which is adapted to carry current and at least one of said wings is adapted to contact said second current carrying contact member.
4. An electrical plug as claimed in claims 1 or 2, wherein said at least two equally spaced apart wings is three equally spaced apart wings.
5. An electrical plug as claimed in claim 4, wherein at least a portion of said tip member comprises at least three spaced apart wings each of which is adapted to carry current and at least one of said wings are adapted to contact said second current carrying contact member.
6. An electrical plug as claimed in claim 1, wherein the aperture of said socket is complementary shaped to receive said prong.

7. An electrical plug as claimed in any one of the preceding claims, wherein said prong has a base member adapted to be connected to earth.

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8. An electrical plug as claimed in claim 7, wherein said base member engages with an earth contact member that shrouds the aperture of said socket.

10 9. An electrical plug as claimed in claim 1, wherein said intermediate segment is adapted to carry the active current and said tip segment adapted to carry the neutral current.

15 10. An electrical plug as claimed in claim 1, wherein said intermediate segment is adapted to carry the neutral current and said tip segment adapted to carry the active current.

20 11. An electrical plug as claimed in claim 4, wherein said intermediate segment has three separate current carrying portions, a first portion, a second portion and a third portion, each portion is insulated from each other and the first portion is adapted to engage with said first current carrying contact member.

25 12. An electrical plug as claimed in any one of the preceding claims, wherein said socket comprises a clutch-release mechanism that allows said prong to rotate and disengage from said socket when sufficient force is applied to the plug in a direction substantially opposite to the entry of said prong.

30 13. An electrical plug as claimed in claim 1 wherein said at least two equally spaced apart wings each have a kinked portion thereon.